M. A. R. 57 (Rule 116) **No. E**

Measurement Book

680819

Serial No. ....2nd & final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..Sri Damodar Manjunath (M/S K Damodar & Co)

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work	Improvement and Development of School Building at Jalahalli in Ward No 16					
	Job Code	016-19-000013					
	Est Cost	100.00 lakhs					
	AS NO	KE/RRN/AS/188/2000-01				dated : 01/11/2000	
	TS NO	CE/RRN/TS/264/2000-01				dated : 15/12/2000	
	Work Order NO	KE/RRN D/WO.NO/000060/2000-01				dated : 20/07/2001	

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MEASUREMENT BOOK

Date	Full description, etc., of work	Unit	Dimensions: Number	Length	Breadth	Depth	Contents: Qty	Contents: Cost	Reference to last Measurement: Qty	Reference to last Measurement: Cost
1	Description									
1.	Dismantling of existing superstructures like culverts, bridges	Cum	665.00	181.70	1008305	0.00	0.00		181.70	1008830.50
2.	Dismantling of existing superstructures like culverts, bridges	Cum	419.00	197.34	80665.46	0.00	0.00		197.34	80665.46
3.	Clearing grass and removal of rubbish f/A by manual means		3073709	0.15	4610.55	0.00	0.00		0.15	4610.55
4.	Earthwork excavation for foundation of Building	Cum	357.00	866.58	309369.06	190.66	35700 68067.05		105.04	377436.11

M. A. R. 57 (Rule 116)

Measurement Book

No. E 680820

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc., of work	Unit	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2		3	4	5	6	7	8
5.	Providing & injecting Chemical emulsion for Pre-Construction	Sq m	1387.00	811.31	1020363	800.84	85760.68	1044.15
	Above 105%	Sq m	103.98	0.00	0.00	55.65	6900.02	55.65
6.	Providing and laying in Position Plain Cement Concrete	Cum	6097.00	119.55	758806.35	84.73	1569761.57	144.48
7.	Providing and laying in position reinforced Cement Concrete	Cum	7367.00	126.70	1021877	18.39	135605	157.09

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
8	Providing and removing Centering, Shuttering, Strutting, Propping &c	Sq.m	300.00	349.40	80820	67.35	2005.80	336.75	101045.00
	Above 15 M.	Sq.m	381.77	0.00	0.00	10.83	01374.17	-10.83	01374.17
9.	Providing and laying in position reinforcement Cement Concrete	Cum	7367.00	22.12	1609758.04	0.00	0.00	22.12	1609758.04
10.	Providing and laying in position reinforcement Cement Concrete	Cum	7438.00	21.20	157685.60	0.00	0.00	21.20	157685.60
11.	Providing and removing Centering, Shuttering, Strutting, Propping	Sq.m	545.00	250.32	1364724	0.00	0.00	258.32	136404.40

M. A. R. 57 (Rule 116)
Measurement Book

No. E 680821

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
12.	Providing and removing Centering, Shuttering, Strutting	Sq.m	550.00	231.32	127661	0.00	0.00	231.32	127661
13.	Providing and laying in Position reinforced Cement Concrete	Cum	1367.00	26.84	01364.68	3.38	04900.46	30.00	37364.74
14	Providing and removing Centering, Shuttering,	Sq.m	4360.00	253.03	1011368	37.62	6101.06	300.65	137337.90

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
15	Providing and constr-ucting granite/trap	Cum	550.00	56.03	3810.03	14.11	77915.42	70.34	388417.48
	Above 105%.	Cum	541.82	0.00	0.00	39.67	214677.70	39.67	214679.70
16.	Providing and const-ructing granite/trap	Cum	6581.00	01.44	41096.64	5.36	35074.16	06.80	176370.60
	Above 105%.	Cum	6449.38	0.00	0.00	59.43	383312.39	59.43	383318.39
17.	Providing Ruled Pointing to Coursed Stone masonry	Sqm	59.00	47.64	2810.76	11.34	856.15	51.96	3066.91

M. A. R. 57 (Rule 116)

Measurement Book

No. E 680822

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
18	Filling available excavated earth in Side of foundation	Cum	640.00	582.19	139726.56	145.55	34933.00	707.74	174657.60
	Above 105%	Cum	635.10	0.00	0.00	387.33	91060.08	387.33	91060.08
19.	Providing and Constructing Precast Concrete Solid blocks	Sqm	1141.00	34.44	39296.04	8.60	9810.60	43.04	49108.64
	Above 105%		1117.90	0.00	0.00	701.35	784032.15	701.35	784032.15

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
20.	Providing and Constru - cting precast Concrete Solid block	Sqm	1183.00	26.55	31400.65	6.64	7851.57	33.19	39360.22
	Above 10S % C		115883	0.00	0.00	665.75	771494.49	665.75	771494.49
21.	Providing and laying in position reinforced Cement Concrete	Cum	7367.00	0.00	0.00	0.83	10881.01	0.83	10881.01
22.	Providing and laying in position reinforced Cement Concrete	Cum	7436.00	0.00	0.00	0.91	11695.96	0.91	11695.96
23.	Providing and removing Centering, Shuttering, Strutting, Dropping	Sqm	349.00	0.00	0.00	43.46	15168.24	43.46	15168.24

M. A. R. 57 (Rule 116) No. E 680823
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
24	Providing and removing - ving Centering, Shuttering, Strutting	Sqm	356.00	0.00	0.00	46.84	16672.97	46.84	16672.97
25.	Providing and laying in position reinforced Cement	Sqm	605.00	0.00	0.00	31.69	19173.06	31.69	19173.06
26	Providing and laying in position reinforced Cement	Sqm	611.00	0.00	0.00	30.51	18640.69	30.51	18640.69

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
27	Providing and removing Centering, Shuttering, Strutting, Propping	Sqm	356.00	0.00	0.00	37.74	356.00 14567.64	37.74	14567.64
28.	Providing and removing Centering, Shuttering, Strutting, Propping	Sqm	393.00	0.00	0.00	36.30	14266.88	36.30	14266.88
29.	Providing & removing Centering, Shuttering Strutting, Propping	Sqm	349.00	333.41	116360.09	20.90	7293.23	354031	103653.24
30.	Providing & removing Centering, Shuttering Strutting, Propping	Sqm	356.00	333.41	118693.96	10.31	356000 4381.18	345.72	103076.14

M. A. R. 57 (Rule 116) No. E 680824

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
31	Providing and removing Centering, Shuttering, Strutting	Sqm	363.00	0.00	0.00	44.84	16275.11	44.84	16275.11
32.	Providing & laying Cement Concrete using Damm down Above 105/.	Cum	6713.00	101.80	683383	25.44	6713.00 170778.72	170778.72 107.24	85416212
		Cum	6578.64	0.00	0.00	11.18	73543 73600.31	11.11	73543 73600.71
33.	Providing & laying Cement Concrete	Cum	6713.00	107.37	720774.81	26.84	180176.92	134.21	90095.92
	Above 105/.	Cum	6578.64	0.00	0.00	2.90	19012 19058.98	2.90	19012 19058.9

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
1	2		3	4	5	6	7	8	
34	Providing & laying Cement Concrete	Cum	5713.00	0.00	0.00	8.54	57322.31	8.54	57322.31
	Above 10S%	Cum	6576.14	0.00	0.00	8.72	65816.54 57390.41	8.72	57390.41
35.	Providing & removing Centring, Shuttering	Sqm	506.00	667.08	350884.08	0.00	0.00	667.08	350884.08
36.	Providing & removing Centring, Shuttering	Sqm	506.00	667.08	351115.92	0.00	0.00	667.08	351115.92
37.	Providing & removing Centring, Shuttering	Sqm	502.00	0.00	0.00	5692	99939.92	56.92	99927.92
	Abow 10S%	Sqm	555.81	0.00	0.00	0.00	114335.85	00.58	114335.85

M. A. R. 57 (Rule 116) No. E 680825

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement	
			3	4	5	6	7	8	
38	Providing 10mm Thick Cement Plaster	Sqm	682.00	0.00	0.00	749.04	06312.86	749.04	06312.86
39.	Providing 10mm Thick Cement Plaster	Sqm	983.00	0.00	0.00	772.64	06684.04	772.64	06684.04
40.	Providing and fixing MS grill work	Kg	114.00	0.00	0.00	1387.26	158147.64	1387.26	158147.64
41	Providing & fixing MS grill work for Windows	Kg	114.00	0.00	0.00	1360.80	155131.20	1360.80	155121.20

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
42	providing 15mm thick Cement plaster	Sqm	251.00	0.00	0.00	1326.76	333016.76	1326.76	333016.76
43.	providing 15mm thick Cement plaster	Sqm	258.00	0.00	0.00	1214.64	339172.91	1314.64	339172.91
44	providing lime rendering for plastering	Sqm	39.00	0.00	0.00	1326.76	51743.64	1326.76	51743.64
45.	providing lime rendering for plastering	Sqm	46.00	0.00	0.00	1314.64	60472.70	1314.64	60472.70
46	providing lime rendering for plastering Above 10S.1.	Sqm	39.00	0.00	0.00	409.65	16764.15	409.65	16764.15
			27.43	0.00	0.00	399.17	11197.50	399.17	11197.50

M. A. R. 57 (Rule 116) No. E 680826

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
47.	providing lime rendering for plastering Above 10S.1.	Sqm	39.00	0.00	0.00	400.86	15633.54	400.86	15633.54
		Sqm	37.43	0.00	0.00	371.80	13916.08	371.80	13916.08
48.	providing TMT steel reinforcement	Tonne	76579.00	56.46	4324610.2 14.11		765796.00 1060769.86	70.57	5405377.74
49.	providing stone wood frames & doors	Cum	104547.00	0.00	0.00	0.80	83905.24	0.80	83905.24
50.	providing stone wood frames & door	Cum	104547.00	0.00	0.00	0.73	76277.49	0.73	76277.49

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MEASUREMENT BOOK

Date	Full description, etc. of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
51	Providing & filling in foundation (below GL)	Cum	0697.00	67.50	19566	9.13	0645.42	76.63	2221362.92
52	Geophysical investigation of site	NOS	4164.00	1.00	4164	0.00	0.00	1.00	4164.00
53	Sinking borewell of 165mm dia clear	Rmt	384.00	50.00	19200	0.00	0.00	50.00	19200.00
54	Sinking borewell of 165mm dia clear	Rmt	489.00	50.00	24450	0.00	0.00	50.00	24450.00
55.	Sinking borewell of 165mm dia clear	Rmt	504.00	50.00	25200	0.00	0.00	50.00	25200.00

M. A. R. 57 (Rule 116) No. E
Measurement Book
630827

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
56	Sinking Borewell of 165mm dia clear using Super test C/E/K	Rmt	593.00	50.00	29650	0.00	0.00	50.00	29650.00
57.	Sinking Borewell of 165mm dia clear	Rmt	701.00	50.00	35050	0.00	0.00	50.00	35050.00
58.	Sinking borewell of 165mm dia clear	Rmt	774.00	50.00	38700	0.00	0.00	50.00	38700.00
59.	Sinking borewell of 165mm dia clear	Rmt	912.00	50.00	45600	0.00	0.00	50.00	45600.00

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MEASUREMENT BOOK

Date	Full description, etc. of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
60	Sinking borewell of 165mm dia clear	Rmt	995.00	50.00	49750	0.00	0.00	50.00	49750.00
61	Sinking borewell of 165mm dia clear	Rmt	1346.00	80.00	84960	0.00	0.00	80.00	84960.00
62	Providing and fixing 90mm dia PVC	Rmt	3473.00	10.00	34476	0.00	0.00	10.00	34476.00
63	Supplying of ISI Mark 175mm nominal	Rmt	1465.00	50.00	73250	0.00	0.00	50.00	73250.00
64	Providing 175mm Dia M.S Collar	Nos	166.00	8.00	1328	0.00	0.00	8.00	1328.00
65	Providing 175mm dia Bore Cap	Nos	111.00	1.00	111	0.00	0.00	1.00	111.00

M. A. R. 57 (Rule 116) No. E 680328
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
66	Atalanta Supreme CRI KIRLOSKAR	Nos	55201.00	1.00	55201	0.00	0.00	1.00	55201.00
67.	Providing & fixing in trenches	Rmt	455.00	370.00	168350	0.00	0.00	370.00	168350.00
68	Supplying and drawing 3 core	Rmt	141.00	750.00	105750	0.00	0.00	750.00	105750.00
69.	Providing & fixing in position 50mm	Nos	1467.00	1.00	1467	0.00	0.00	1.00	1467.00
70.	Supplying & fixing 50mm GI Union	Nos	848.00	1.00	848	0.00	0.00	1.00	848.00

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
71	Supplying and fixing 50mm GI Union Elbow	Nos	104.00	1.00	104.00	0.00	0.00	1.00	104.00
72	Supplying and fixing 50mm GI Nipple	Nos	116.00	1.00	116.00	0.00	0.00	1.00	116.00
73	Supplying and fixing 50mm GI Hose	Nos	114.00	60.00	7068	0.00	0.00	60.00	7068.00
74	Supplying & fixing 20"x20"x0.5"	Nos	334.00	1.00	334	0.00	0.00	1.00	334.00
75	Supplying & fixing miniature circuit	Nos	1140.00	1.00	1140	0.00	0.00	1.00	1140.00
76	Supplying of TPST with rewirable	Nos	1969.00	1.00	1969	0.00	0.00	1.00	1969.00

M. A. R. 57 (Rule 116) No. E 680829
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
77	Supplying & fixing LED type	Nos	476.00	1.00	476	0.00	0.00	1.00	476.00
78	Supplying fully automatic star	Nos	7072.00	1.00	7072	0.00	0.00	1.00	7072.00
79	Supplying & fixing Single phase	Nos	804.00	1.00	804.00	0.00	0.00	1.00	804.00
80	Wiring for lighting/ Power circuit using one of FRLS PVC	Mtr	50.00	20.00	1000	0.00	0.00	20.00	100000

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MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
81	Supplying fixing and wiring heavy	Nos	442.00	4.00	1768	0.00	0.00	4.00	1768
82	Supplying fixing wiring earth electrode	Nos	3315	1.00	3315	0.00	0.00	1.00	3315.00
83	Digging of trench of 0.36 mts deep	Mtrs	113.00	8.00	904	0.00	0.00	8.00	904.00
84	Supplying laying 1.1 KV class LT UG Cable	Mtrs	166.00	10.00	1660	0.00	0.00	10.00	1660.00
85	labour charge for laying 1.1 KV class	Nos	14.00	25.00	350	0.00	0.00	25.00	350.00
86	Supplying & fixing class-A, GI pipe	Rmt	371.00	2.00	742	0.00	0.00	2.00	742.00

M. A. R. 57 (Rule 116) No. E 680330
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
87	Supplying & fixing LT cast iron pot	Nos	999.00	1.00	999	0.00	0.00	1.00	999.00
88	Supplying & fixing Porcelain tass channel	Nos	951.00	3.00	753	0.00	0.00	3.00	758.00
							0	0	0
EIRL-1	Concealed conduit system supplying	Mtrs	0	0	0	0			
A	19/20mm Dia 2mm	Mtrs	43.32	0	0	850.00	3851.60	850.00	38151.60
B	25mm dia 2mm	Mtrs	57.40	0	0	500.00	28699.50	500.00	28699.50

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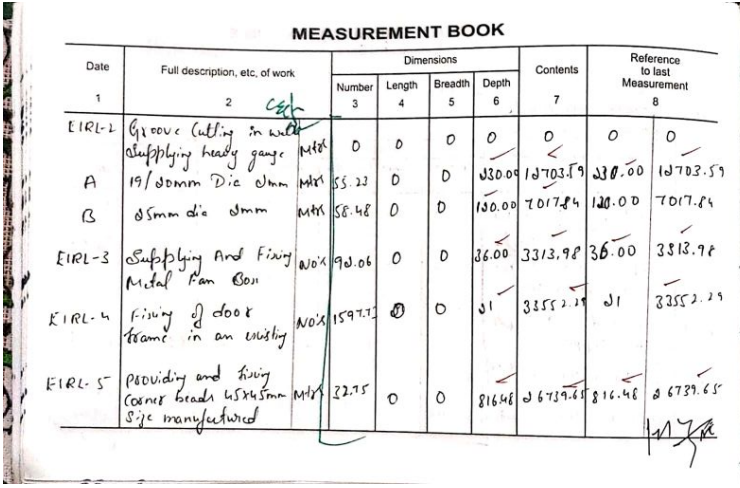
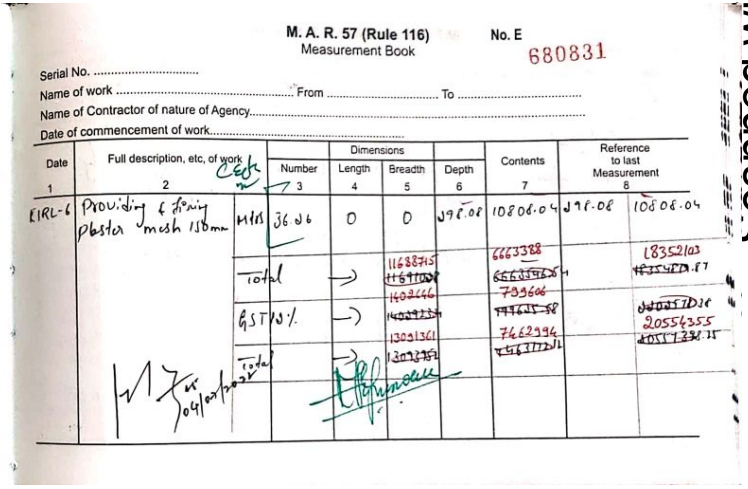


MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
EIRL-2	Groove Cutting in wall								
	Supplying ready gauge	M&R	0	0	0	0	0	0	0
A	19/20mm Die 10mm	MR	55.22	0	0	130.00	10703.59	130.00	10703.59
B	05mm die 10mm	MR	58.48	0	0	130.00	7017.84	130.00	7017.84
EIRL-3	Supplying And Fixing Metal Ram Bolt	NO'S	90.06	0	0	36.00	3313.98	36.00	3313.98
EIRL-4	Fixing of door frame in an existing	NO'S	1597.71	0	0	01	3355.29	01	3355.29
EIRL-5	Providing and fixing Corner beads 45x45mm Size manufactured	MR	22.75	0	0	816.48	06739.65	816.48	06739.65



M. A. R. 57 (Rule 116) No. E 680831

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement	
			Number	Length	Breadth	Depth			
1	2		3	4	5	6	7	8	
EIRL-6	Providing & fixing plaster mesh 150mm	MR	3606	0	0	198.08	10806.04	198.08	10806.04
		total			116887.15		6663388		18352103
					116911.02		5665385.65		18354470.87
					1402446		799606		
		GST 18%			1402932.54		799606		
					1203136.1		7462996		20554255
					1203136.1		7462996		20554255.35
		Total							

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate.						
	1. The above work has been carried out Satisfactorily.						
	2. The debris has been removed & disposed from the work spot.						
	3. No departmental issues are made to Contractor.						
	Sd/- 04/02/2022						

M. A. R. 57 (Rule 116) No. E

Measurement Book

680832

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						E 18352103 + 220252 = 20554355 -	
						P.H.E 11688715 + 1402446 = 13091161 -	
						6663388 + 799606 = 7462994 -	
	Audited and admitted for Rs. 7462994 -						
	Passed by Cheque for Rs. 7015122 -						
	(Seventy lakh fifteen thousand one hundred and twenty two only)			IT	133268 -		447872 -
	by adjustment 447872 -			CGST	66634 -		
				SGST	66634 -		
				LE	108039 -		
				CBE	6663 -		7015122 -
				UUC	66634 -		

Accounts Superintendent Sub. Engineer

Rajarajeshwari Nagar Division, PWD

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